Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Monday 16 Jan 2023 until 23:59 on Tuesday 17 Jan 2023

Forecast Issued on Monday 16 Jan 2023 at 00:14

Confidence: High for colder start, but lower for shower details, especially into the outlook period.

Headline for Monday 16 Jan 2023: Cold with snow showers early on, becoming dry and bright through afternoon. Severe chill effect.

Mountain weather hazards on Monday 16 Jan 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** No Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Light snow	Light snow	Sunny	Sunny	Clear night	Fog
Precipitation probability					
60%	40%	<05%	<05%	<05%	<05%

Forecast for Monday 16 Jan 2023

Weather: Rather cloudy at first with showers or longer periods of snow through the early morning, perhaps falling as rain or sleet at very lowest levels. These clearing away around midday, with dry and clear conditions moving in from the north. Plenty of weak sunshine through the afternoon, but feeling cold.

Chance of cloud-free hill tops above 600m: Initially 30% through the morning, becoming virtually 100% through the afternoon.

Low cloud and visibility: Initially moderate to good visibility, falling to very poor in snow showers. Becoming very good to excellent through the day as clear conditions move in. Cloud in the morning occasionally down to 500m, before clearing.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
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Forecast for Monday 16 Jan 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	11/14 N	13/19 N	13/18 NW	11/15 W	10/14 W	10/14 W	10/14 W
300	6/10 NW	10/15 NW	11/17 NW	10/15 NW	8/12 SW	7/11 W	6/9 W
Valley	5/12 N	7/16 N	9/16 NW	6/13 NW	4/9 SW	4/8 W	3/7 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	-1/-6	-2/-8	-2/-8	-3/-9	-4/-10	-4/-10	-4/-10
300	2/-1	0/-4	0/-5	-0/-5	-1/-6	-2/-6	-2/-6
Valley	2/-0	0/-3	1/-3	0/-3	-2/-4	-2/-4	-2/-4
Freezing Level*	500m	200m	100m	00m	00m	00m	00m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Severe wind chill, particularly at height.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Mon 16 Jan 2023	7.4mm	24.8mm	29.8mm

Forecast for Tuesday 17 Jan 2023

Weather: Cloudy through much of the day and wintry cold, with a risk for the occasional snow shower to affect the west of the park. Some periods of weak sunshine are possible at times, most likely for the eastern side of the park.

Maximum wind: Northwest 15mph or less.

Chance of cloud-free hill tops above 600m: 30% through the day.

Low cloud and visibility: Generally moderate through the day, falling to very poor in snow showers. Extensive cloud down to 500m for western sides of the range, more occasional in the east.

Temperature: **Valleys:** Minus 2 Celsius increasing to Plus 2 Celsius during the afternoon
At 600m: Minus 5 Celsius
Freezing level: At or near surface

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